

## NATURAL GAS LEAK DETECTION INSTRUMENT



### FEATURES

- LASER Technology
- Specific to Methane
- ATEX Certified - Zone 1
- Wide Measurement Range (0 ppm to 100% volume)
- Integral GPS and Bluetooth
- Accurate Reporting
- Lightweight
- Hot Swap Battery

### BENEFITS

- No Flame, No Hydrogen
- No cross-gas effects or False Readings
- Intrinsically Safe
- Highly accurate
- Maintains Compliance
- Multiple Reporting Functions
- Easy to Use
- All Day Operation



## HAND-HELD LASER BASED NATURAL GAS LEAK DETECTION INSTRUMENT

The **LASER ONE** is a portable natural gas leak analyser with LASER spectroscopy. This highly sensitive detector offers all the advantages of optical detection in a compact and portable device. The HUBERG LASER ONE gives you precise and reliable findings when detecting methane leaks.

# LASER ONE

## LED Alarm Lights

4 Visual Alarm Lights & Impact Bumpers

## Status Indicators

- Measurement Mode
- Pump
- PC Communications
- Battery Level

**Function Button**  
Pump and GPS Control

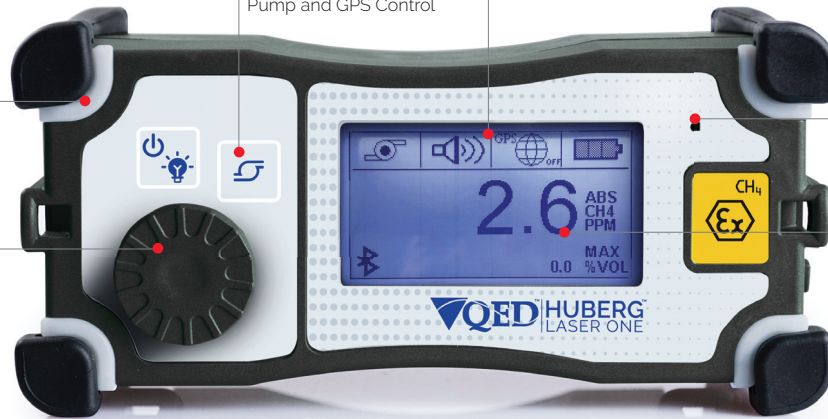
**Audio Alarm**  
~65 dB Alarm


## Jog Dial

- Threshold
- PPM
- LEL
- ON/OFF Absolute
- ON/OFF GPS
- Save Leak
- Memory

## Methane Detection

Integral GPS  
Highly Accurate  
Rapid Response



POWER SUPPLY			
Battery type	Li-ion rechargeable battery pack (user replaceable)	Battery charger	Separate intelligent battery charger powered from mains supply (100-240V, or via vehicle power outlet)
Battery life	Typical 10 hours from fully charged (with backlight activated)	Charge time	Approximately 4.5 hours from complete discharge
GAS RANGES			
Gases Measured	CH <sub>4</sub>	Range	1-9,999ppm / 1%-100% (Vol)
Response time	Without Probe : T <sup>90</sup> = 2 seconds With Probe : T <sup>90</sup> = 3.5 seconds		
Accuracy	0.1ppm-10.9ppmVol: +/-1.0ppm	11-9,999ppmVol: +/- 10% of reading	1%-100%Vol +/- 10% of reading
Resolution	0.1ppm / 0.1% (Range dependent)	Minimum detectable limit	0.3ppm
PUMP			
Flow	Minimum : 0.6 L/Min	Typical : 0.8 L/Min	Maximum : 1.0 L/Min
ENVIRONMENTAL CONDITIONS			
Operating Temperature	-25 to 50°C / -13 to 122° F	Humidity Range	5% to 80% Relative Humidity (non-condensing)
Atmospheric Pressure/ Range	1013mbar +/-100mbar/29.91 inHg +/- 2.95inHg	Protection Level	IP65
PHYSICAL			
Weight	1.3 kg / 2.9 lb	Environmental Storage Conditions	Humidity <95% Temperature -40°C to +60°C/-40°F to 140°F
Dimensions	229 x 97 x 109 mm / 9 x 4 x 4.2 inches		
Alarm Sound Level	~65 dB (A) @30cm / 12"	User Interface	<ul style="list-style-type: none"> <li>• Display (LxH): 86 x 47mm / 3.39" x 1.85"</li> <li>• Jogdail: Scroll menu for rapid and easy selection of menu items.</li> <li>• 3 Function Keys</li> </ul>
Gas Connections	Quick Release Coupler	Electrical Connections	Multiway adaptor for battery charger and USB communication port with a PC
		Carry Strap	30mm/1.2" wide synthetic woven strap
CERTIFICATION RATING			
 II 2 G Ex ib op is IIB T3 Gb -25°≤Tas+50°C			

©2021 Product designs and specifications are subject to change without notice. User is responsible for determining suitability of product.

**QED Environmental Systems Inc.**  
2355 Bishop Circle West Dexter, MI 48130, USA




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 [info@qedenv.com](mailto:info@qedenv.com)

 800.624.2026  
734.995.2547

[WWW.QEDENV.COM](http://WWW.QEDENV.COM)

 [sales@qedenv.co.uk](mailto:sales@qedenv.co.uk)

 +44 (0) 333 800 0088